



Supplementary Materials: Rheological and Drug Delivery Characteristics of Poloxamer-Based Diclofenac Sodium Formulations for Chronic Wound Site Analgesia

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Table S1. Mass (μg) of diclofenac sodium delivered to receiver solution from each formulation throughout 24-h drug delivery studies.

Membrane	Formulation			
	Water	17% Poloxamer	20% Poloxamer	Commercial
Dialysis membrane	N/A	2051.2 \pm 357.8	2041.1 \pm 215.7	1059 \pm 111.8
Intact porcine ear skin	217.9 \pm 150.3	7.5 \pm 3.1	9.3 \pm 3.1	112.9 \pm 26.3
Tape-stripped porcine ear skin	2664.8 \pm 295.7	204.9 \pm 37.5	272.8 \pm 78.5	394.6 \pm 92.9

Table S2. Mass (μg) of diclofenac sodium extracted per mass (g) of skin treated with each formulation after 24-h drug delivery studies.

Membrane	Formulation			
	Water	17% Poloxamer	20% Poloxamer	Commercial
Intact porcine ear skin	4725.5 \pm 1568.8	1079.4 \pm 444.4	910.9 \pm 314.5	3553.3 \pm 1156.5
Impaired porcine ear skin	4009.4 \pm 1243.4	1086.1 \pm 193.1	1108.8 \pm 358.0	2160.5 \pm 499.9